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Jameco Part Number 177877

Fast Recovery High Voltage Rectifiers

Operating Temperature: -65°C to 125°C

Part No.	Cross-Reference	Max. Average Rectified Current	Peak Inverse Voltage	Peak Fwd. Surge Current @ 8.3 ms Superimposed	Max. Forward Voltage @ 25°C @ Rated Io	Max. Reverse Current @ 25°C @ Rated PIV	Max Reverse Recovery Time		Package	Outline (Max. in Inches)
		Io(A)	PIV(V)	I_{FSM}(A)	V_{FM}(V)	I_R(µA)	T_{RR}(nS)		Bulk/Reel	
GFM508	VF5-8X	5 mA	8000	1.0	25.0 @ 10 mA	5.0	100 @ I_F 2mA	V_R12V	1000/5000	GFM .024 Ø Typ. .118 .945 Min. .472 .945 Min.
GFM510	VF5-10X		10000		30.0 @ 10 mA			V_R14.4V		
GFM512	VF5-12X		12000		37.5 @ 10 mA			V_R18V		
GFM514	VF5-14X		14000		42.5 @ 10 mA			V_R20.4V		
GFM516	VF5-16X		16000		50.0 @ 10 mA			V_R24V		
GFM518	VF5-18X		18000		55.0 @ 10 mA			V_R26.4V		
GFM520	VF5-20X		20000		62.5 @ 10 mA			V_R30V		
GFM522	VF5-22X		22000		62.5 @ 10 mA			V_R30V		
GFM524	VF5-24X		24000		75.0 @ 10 mA			V_R36V		
GF225	R2500F	200 mA	2500	25	6.0	5.0	500		1000/5000	DO-204AL/DO-41 .031 Ø Typ. .107Ø 1.0 Min. .205 1.0 Min.
GF230	R3000F		3000		6.0					
GF235	R3500F		3500		8.0					
R2500F	GF225		2500		6.0					
R3000F	GF230		3000		6.0					
R3500F	GF235		3500		8.0					
GF240	R4000F		4000	25	8.0				500/4000	DO-204AC/DO-15 .031 Ø Typ. .140Ø 1.0 Min. .300 1.0 Min.
GF250	R5000F		5000	20	12.0					
GF260	R6000F		6000		12.0					
R4000F	GF240		4000	25	8.0					
R5000F	GF250		5000	20	12.0					
R6000F	GF260		6000		12.0					
GF240M	-		4000	25	8.0					
GF250M	-		5000	20	12.0					
GF260M	-		6000		12.0					
GF512	R1200F	500 mA	1200	30	2.5	5.0	500		1000/5000	DO-204AL/DO-41 .031 Ø Typ. .107Ø 1.0 Min. .205 1.0 Min.
GF515	R1500F		1500							
GF518	R1800F		1800							
GF520	R2000F		2000		3.0					
R1200F	GF512		1200		2.5					
R1500F	GF515		1500							
R1800F	GF518		1800							
R2000F	GF520		2000		3.0					

T_{RR} Test Conditions: I_F = 0.5 A, I_R = 1 A, I_{RR} = 0.25 A

Ultra Fast Rectifiers

Operating Temperature: -65°C to 125°C

Part No.	Cross-Reference	Max. Average Rectified Current	Peak Inverse Voltage	Peak Fwd. Surge Current @ 8.3 ms Superimposed	Max. Forward Voltage @ 25°C @ Rated Io	Max. Reverse Current @ 25°C @ Rated PIV	Reverse Recovery Time @ Rated PIV	Package	Outline (Max. in Inches)
		Io(A)	PIV(V)	I_{FSM}(A)	V_{FM}(V)	I_R(µA)	T_{RR}(nS)	Bulk/Reel	
TUF101	UF4001	1.0 A	50	30	1.0	10.0	50	1000/5000	DO-204AL/DO-41 .031 Ø Typ. .107Ø 1.0 Min. .205 1.0 Min.
TUF102	UF4002		100		1.0				
TUF103	UF4003		200		1.0				
TUF104	-		300		1.0				
TUF105	UF4004		400		1.0				
TUF106	UF4005		600		1.7		75		
TUF107	UF4006		800		1.7				
TUF108	UF4007		1000		1.7				
HER101	TUF101		50		1.0	5.0	50		
HER102	TUF102		100		1.0				
HER103	TUF103		200		1.0				
HER104	TUF104		300		1.3				
HER105	TUF105		400		1.3				
HER106	TUF106		600		1.7		75		
HER107	TUF107		800		1.7				
HER108	TUF108		1000		1.7				
TUF151	HER151	1.5 A	50	50	1.0	5.0	50	500/4000	DO-204AC/DO-15 .031 Ø Typ. .140Ø 1.0 Min. .300 1.0 Min.
TUF152	HER152		100		1.0				
TUF153	HER153		200		1.0				
TUF154	HER154		300		1.3				
TUF155	HER155		400		1.3				
TUF156	HER156		600		1.7		75		
TUF157	HER157		800		1.7				
TUF158	HER158		1000		1.7				
TUF201	HER201	2.0 A	50	60	1.0	5.0	50	500/4000	DO-204AC/DO-15 .031 Ø Typ. .140Ø 1.0 Min. .300 1.0 Min.
TUF202	HER202		100		1.0				
TUF203	HER203		200		1.0				
TUF204	HER204		300		1.3				
TUF205	HER205		400		1.3				
TUF206	HER206		600		1.7		75		
TUF207	HER207		800		1.7				
TUF208	HER208		1000		1.7				
HER201	TUF201		50		1.0		50		
HER202	TUF202		100		1.0				
HER203	TUF203		200		1.0				
HER204	TUF204		300		1.3				
HER205	TUF205		400		1.3				
HER206	TUF206		600		1.7		75		
HER207	TUF207		800		1.7				
HER208	TUF208		1000		1.7				